

Boxin Wei

List of Publications by Year in descending order

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19
papers

347
citations

759233

12
h-index

839539

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20
all docs

20
docs citations

20
times ranked

78
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanosecond pulsed laser-assisted modified copper surface structure: Enhanced surface microhardness and microbial corrosion resistance. <i>Journal of Materials Science and Technology</i> , 2022, 107, 111-123.	10.7	11
2	Comparing the hot corrosion of (100), (210) and (110) Ni-based superalloys exposed to the mixed salt of Na ₂ SO ₄ -NaCl at 750°C: Experimental study and first-principles calculation. <i>Corrosion Science</i> , 2022, 195, 109996.	6.6	12
3	Biologically competitive effect of <i>Desulfovibrio desulfuricans</i> and <i>Pseudomonas stutzeri</i> on corrosion of X80 pipeline steel in the Shenyang soil solution. <i>Bioelectrochemistry</i> , 2022, 145, 108051.	4.6	17
4	A comparative study of sulfate-reducing <i>Desulfovibrio desulfuricans</i> induced corrosion behaviors in Q235, X65, X70, and X80 pipeline steels. <i>International Journal of Pressure Vessels and Piping</i> , 2022, 195, 104599.	2.6	17
5	Biotic enhancement of <i>Desulfovibrio desulfuricans</i> on multi-factor influenced corrosion of X80 steel in saline soil. <i>Corrosion Science</i> , 2022, 200, 110228.	6.6	17
6	Effect of Glutaraldehyde as a Biocide against the Microbiologically Influenced Corrosion of X80 Steel Pipeline. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022, 13, .	1.6	1
7	Internal microbiologically influenced corrosion of natural gas pipelines: A critical review. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 102, 104581.	4.4	18
8	Effect of alternating current frequency on corrosion behavior of X80 pipeline steel in coastal saline soil. <i>Engineering Failure Analysis</i> , 2021, 120, 105065.	4.0	23
9	The effect of nitrate reducing bacteria on the corrosion behavior of X80 pipeline steel in the soil extract solution of Shenyang. <i>International Journal of Pressure Vessels and Piping</i> , 2021, 190, 104313.	2.6	10
10	Microbiologically influenced corrosion of TiZrNb medium-entropy alloys by <i>Desulfovibrio desulfuricans</i> . <i>Journal of Alloys and Compounds</i> , 2021, 875, 160020.	5.5	22
11	Microstructural response and improving surface mechanical properties of pure copper subjected to laser shock peening. <i>Applied Surface Science</i> , 2021, 564, 150336.	6.1	26
12	Effect of sulfate-reducing bacteria on corrosion of X80 pipeline steel under disbonded coating in a red soil solution. <i>Journal of Materials Science and Technology</i> , 2021, 87, 1-17.	10.7	46
13	Effect of alternating current and nitrate reducing bacteria on corrosion of X80 pipeline steel in Shenyang soil solution. <i>Engineering Failure Analysis</i> , 2021, 129, 105688.	4.0	8
14	Synergistic effect of alternating current and sulfate-reducing bacteria on corrosion behavior of X80 steel in coastal saline soil. <i>Bioelectrochemistry</i> , 2021, 142, 107911.	4.6	15
15	Effect of uniaxial elastic stress on corrosion of X80 pipeline steel in an acidic soil solution containing sulfate-reducing bacteria trapped under disbonded coating. <i>Corrosion Science</i> , 2021, 193, 109893.	6.6	28
16	Effect of alternating current frequency on corrosion behavior of X80 pipeline steel in soil extract solution of Dagang. <i>International Journal of Pressure Vessels and Piping</i> , 2020, 179, 104016.	2.6	8
17	X80 Steel Corrosion Induced by Alternating Current in Water-Saturated Acidic Soil. <i>Corrosion</i> , 2020, 76, 248-267.	1.1	22
18	Comparison of AC Corrosion of X80 Steel in Real Soil, Soil Extract Solution, and Simulated Solution. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4967-4977.	2.5	10

#	ARTICLE	IF	CITATIONS
19	Short-period corrosion of X80 pipeline steel induced by AC current in acidic red soil. Engineering Failure Analysis, 2019, 105, 156-175.	4.0	36